

File 347:JAPIO Oct 1976-2003/Mar(Updated 030703)
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File 348:EUROPEAN PATENTS 1978-2003/Jul W03
(c) 2003 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20030724,UT=20030717
(c) 2003 WIPO/Univentio
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200347
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Set	Items	Description
S1	16	AU='PUSKORIUS':AU='PUSKORIUS GINTARAS VINCENT'

1/TI/1 (Item 1 from file: 347)
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PREPARATION METHOD FOR MISFIRE DETECTING CORRECTION TABLE USING
NEURAL-NETWORK

1/TI/2 (Item 1 from file: 348)
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Method of generating correction tables for misfire detection using neural
networks
Verfahren zur Generierung von Korrekturtabellen zur Zundaussetzerdetektion
mittels neuronaler Netzwerke
Methode pour generer des tables de correction pour un systeme de detection
de rates d'allumage a l'aide de reseaux neuronaux

1/TI/3 (Item 2 from file: 348)
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AUTOMOTIVE ENGINE MISFIRE DETECTION SYSTEM INCLUDING A BIT-SERIAL BASED
RECURRENT NEUROPROCESSOR
KRAFTFAHRZEUG-ZUNDAUSSETZERERKENNUNG MIT BITSERIELLEM ZYKLISCHEM NEURONALEM
RECHNER
SYSTEME DE DETECTION DE RATES DANS DES MOTEURS D'AUTOMOBILES, A
NEUROPROCESSEUR RECURRENT EN SERIE PAR BIT

1/TI/4 (Item 3 from file: 348)
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Misfire detection
Erfassung von Verbrennungsaussetzern
Detection des rates de combustion

1/TI/5 (Item 4 from file: 348)
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Nonlinear dynamic transform for correction of crankshaft acceleration
having torsional oscillations
Nichtlineare dynamische Transformation zur Korrektur einer
torsionsschwingungsbehafteten Kurbelwellenbeschleunigung
Transformation non-lineaire et dynamique pour la correction d'un
acceleration de vilebrequin comportant des oscillations de torsion

1/TI/6 (Item 1 from file: 349)
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AUTOMOTIVE ENGINE MISFIRE DETECTION SYSTEM INCLUDING A BIT-SERIAL BASED
RECURRENT NEUROPROCESSOR
SYSTEME DE DETECTION DE RATES DANS DES MOTEURS D'AUTOMOBILES, A
NEUROPROCESSEUR RECURRENT EN SERIE PAR BIT

1/TI/7 (Item 1 from file: 350)
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Idle speed control system for trained neural network internal combustion
engine, has processing unit to perform generic neural network routine to
control various operation of engine

1/TI/8 (Item 2 from file: 350)

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Air-fuel mixing ratio controlling apparatus for IC engine of vehicle - has training processor provided with unit for varying at least one of weight values for matching controlled air-fuel mixture ratio more nearly to predetermined desired air-fuel mixture ratio

1/TI/9 (Item 3 from file: 350)

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Automated calibration method of lookup table of engine misfire detection system - involves training neural network to model engine behaviour, using data set obtained from operating representative engine over its full operating range

1/TI/10 (Item 4 from file: 350)

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Internal combustion engine control apparatus - includes generic neural network training and processing system which provides output to actuator for controlling operation of engine

1/TI/11 (Item 5 from file: 350)

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Automotive engine misfire detection system - has neuroprocessor which performs required computations for detecting engine misfires on board vehicle in real time with combination of bit serial and bit parallel techniques employed for implementation of neurons

1/TI/12 (Item 6 from file: 350)

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Misfire detection in internal combustion engine - detects as function of acceleration signal generated for crankshaft using corrected temporal signal and applies recurrent neural network to acceleration signal

1/TI/13 (Item 7 from file: 350)

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Time alignment apparatus for non-plug flow analysers - feeds selected sequence of known plug flow test gas pulses into analyser and sets up mathematical relationship between sequence and output sequence, filters and generates difference errors, minimised by repeating process

1/TI/14 (Item 8 from file: 350)

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Obtaining corrected rotation quantities in misfire detector for internal combustion engine - performing nonlinear transform through neural network so as to predict rotation measurements at inaccessible section of crankshaft

1/TI/15 (Item 9 from file: 350)

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Adaptive correction factor obtaining method for IC engine malfunction detection - comparing corrected value in block with other factor corrected values to determine if correction factor is to be updated in

manner responsive to factor corresponding to measured raw value

1/TI/16 (Item 10 from file: 350)

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Catalytic converter monitoring process - which trains neural networks to predict feed-gas emissions from sensor signals, to predict tailpipe emissions and to determine converter activity by determining feed-gas ratio of predictions